41 supply and fixing pull down challenger metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 2570x805x20582685mm , weight:85.4kg , saftey area:6287x4858mm capacity 2 persons

Basic rate		Rs.	165000						
			165000	Each		2.00	Each	@ 219200.00	4,38,400.00
GST 28%			46200						
Transportation charges			8000	4000					
Total			219200						

2,15,200 2,15,200 4,30,400.00

42 supply and fixing of seated chest press metal- All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1955x733x2058mm , weight:86.6kg , saftey area: 545x4470mm capacity 2 persons.

Basic rate		Rs.	175000						
		Rs.	175000	Each		2.00	Each	@ 232000.00	4,64,000.00
GST 28%			49000						
Transportation charges			8000	4000					
Total			232000						

2,28,000 2,28,000 4,56,000.00

43 supplying & fixing of Tai Chi Spinners Metal:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1120x1150x1620mm , weight:39kg , saftey area:3520x3550mm capacity 3persons.

Basic rate		Rs.	95000						
		Rs.	95000	Each		2.00	Each	@ 129600.00	2,59,200.00
GST 28%			26600						
Transportation charges			8000	4000					
Total			129600						

1,25,600.00 1,25,600 2,51,200.00

44 Supply and fixing of HD Waist Twister Meatl:All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1460x1310x1150mm , weight:39.1kg , saftey area:43600x4510mm capacity 3persons

2,89,600.00

Basic rate		Rs.	110000						
			110000	Each		2.00	Each	@ 148800.00	2,97,600.00
GST 28%			30800						
Transportation charges			8000	4000					
Total			148800						

1,44,800.00 1,44,800.00

45 supply and fixing of Bicycle Metal: All tubular steel of 2.5mm thickness are galvanised and zinc dipped joints are robotic welded. all welded joints are scalloped as necessary and welded to an approvedMIG process .all welds are dressed off removing all sharp edges burts.zinc primer paints applied at all the welding points prior to finishing . all metal parts are powdered coated using AKZO Nobel Great wall powder to the thickness of 80-120microns. all metal parts are tested in our salt spray machine that uses a 5%Nacl solution in accordance to ISO7227 to sped up corrosion for 3000hrs. rubber hikgh quality grip rubber is used for the handles bearings .maintenance -free ball bearings .scope of delivery 1 completely pressed assembled equipment modules . maintenance: maintain according to EN 16630 and maintenance guide .saftey: all products must be tested and certified to meet EN16630 saftey standards with GS test Mark.The EN16630 certificates must be issued by areputed notified international certifying agencey such as IPEMA,TUV,CPSC,or SGS only . the GS Mark EN16630 certificates must be in the name of tendering party and not any 3rd party .all products must clearly display the GS mark as has been issued in the EN16630 saftey certificates.all product must carry a GS mark on it. size(LxWxH) 1000x498x1290mm , weight:51.5kg , saftey area:3400x3498mm capacity 1 persons.

Basic rate		Rs.	110000						
		Rs.	110000	Each		2.00	Each	@ 148800.00	2,97,600.00
GST 28%			30800						
Transportation charges			8000	4000					
Total			148800						

1,44,800 1,44,800 2,89,600

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46	KSRB:14.6-1:providing and laying heavy duty cubble stone 60mm thick interlocked pavers and course sand for manufacureof blocks of approved size, shape, and colour with minimum compressive strength of 281 kg per sqm over 5o mm thick sand bed (average thickness) and compacting with plate vibrator compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints in to its final level, including cost of materials, labour and HOM of machineries complete as per specifications (P NO 101, I. NO14.6 pwd & IWTD,SZBD 2016-17) for open gym area.as directed by the engineer incharge of the work.										
	Basic rate			Rs.	912.00						
	Area weightage 6%			Rs.	912.00 /Cum	Sqm					
	Total				54.72						
	open gym area area			Cum	966.72						
					2 X 500.0	10	0.3	9	150	180 Cum Sqm	@ 966.72
					Sqmt						
	Toilet										
47	Providing and fixing of ready made FRP Single WC toilet-WC -119 for the use of public utilizing the park.(Quotation Rates)								1	Each	@ 42480.00
	Basic rate	36000									
	GST 18%	6480									
	Total	**42480**									
	Water Supply										
48	Geophysical investigation of site for sinking bore well for supply drinking water to the habitation either through the Hand Pump. MWS or PWSS by vertical electrical sounding by adopting Venner or schlumberger's method, including reconnaissance survey of geological formation, Geophysical investigation of existing ground infecundity its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top in consolidated formation of proper scatting of casing pipe ,depth of drilling required to cover full depth of auquifer pro. posed to be tapped Proboabale yield and other information required including transporetation technical personal and labour etc PHE SR 2011-12 It no 9.4 page 42)										
49		Each	2	1				1	2065		4130
50	Sinking of borewell of 165mm dia clear using super fast hydraulic rig of capacity 250 PSIG and above 900 CMF and above in all strata including over burden upto 20m, fixing of casing pipes, collars and cap with necessary welding, cutting and treading including transportation of rig and supporting vehicles, screw charges and cost of consumables, etc.. complete including yield testing at the final depth with a minimum working of compressor for one hour.(excluding cost of casing pipes, collars, caps etc.,)(RDED SR 2010-11 P-36, I-9.1)										
51	a) 0.00 to 50.00 mts	Rmt	2	1	50			100 50	315.18		31518
	b) 50.00 to 100.00 mts	Rmt	2	1	50			100 50	412		41200
	c) 100.00 to 150.00 mts	Rmt	2	1	50			100 50	458		45800
	d) 150.00 to 200.00 mts	Rmt	2	1	50			100 50	484.1		48410
	e) 200.00 to 250.00 mts	Rmt	2	1	50			100 50	560.32		56032
	f) 250.00 mtrs & above	Rmt	2	1	50			100 50	560.32		56032
52	Supply of ISI mark 175 mm nominal bore,plain end steel casing pipe grade of steel fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, eletric resistence welded steel tube material and confirming to IS 1387/1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mts. Both ends threaded confirming to IS 554/1985, one end fixed with socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking, weighing 25.10Kg/mtr (inclusive of all taxes and duties). Prices including collar medium duty.(RDED SR 2010-11 P-ii, I-53.a)										
	a) Casing pipe	Rmt	2	1	60			30	1325		79500
53	Supply of 175mm MS Cap. (RDED SR 2010-11 P-ii, I-54)	Each	1	1				1	100		100
54	Supply of 175mm *MS Collar. (RDED SR 2010-11 P-ii, I-55)*	Each	2	8				16 8	150		2400
55	Supply and delivery of submersible pump sets suitable for borewell of 165mm dia with specified duty conditions as detailed below and satisfying performance characteristics for pump and motor specified in BIS with ISI mark with a minimum efficiency of 42% pump shall confirm to IS 8034/2002 and motor conforming to IS 9283/1995 with ISI Certification (PWD SR 2015-16, P-XXXX, It.21)										
	7.50 HP/9.3 KW Sub mersible pump set.	No	2	1				2 1	54300		108600
56	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper conductor cofirming to table 3 class 5 to IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 volts with specified IS 694:1990 and confirming to the attwached GTP of Group A 3C x 6.0 Sq.mm (PWD Ele SR 2015-16, P-12 It.2.10.4)	Mtr	2	1	280			560 280	188.7		105672
57	Errection of pumpset including aligning and balancing with all necessary erection materials and labour including supply and erection of one pair of supporting clams, borewell cap, cable clips with bolts, nuts, valve gauges etc., involved in the job. (Necessary G.I.Pipe and specials will be supplied by the board at the site free of cost)(CE (M) BWSSB, Letter No.BWSSB/CE(M)/ACE(M)-II/TA-8/9194/2008-09 dated 21/1/09)	No	2	1				2 1	1710		3420
58	Providing and fixing in position 50mm Nominal bore non- return valve vertical type of approved make including cost of all materials, labour and HOM of equipment with all leads compleate as per specification.(PWD SR 15-16, P-93, It-13.62)	Nos	2	1				4 1 2	1544.4		3088.8
59	Supplying and fixing 50mm GI Union.(PWD SR 2015-16, P-XXXVII)	Nos	2	2				4 2	223.7		894.8
60	Supplying and fixing 50mm GI Elbow. (PWD SR 2015-16, P-XXXVII)	Nos	2					2 1	122		244
61	Supplying and fixing *50mm GI Nipple . (PWD SR 2015-16, P-XXXVII)*	Nos	2	2				4 2	104.3		417.2
62	Supplying and fixing 50mm heavy duty GI Collars. *(PWD SR 2015-16, P-XXXVII)*	Nos	2	46				92 46	100		9200
63	LT Metering box with CTs and neceesary wiring for housing ETV meter(, including labour cost.please see CDS-42)BESCOM SR,cost data sheet 25	Nos	2	1				2 1	6363		12726
64	Providing and fixing to wall, ceiling and floor galvanised / mild steel tube 50mm dia nominal bore with fittings (medium grade weight 1.27 Kg/mtr) B class including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications. Specification No. KBS 13.2.14/13.8 (P-90, It.13.15, PWD SR:2015-16)	Rmt	2	270				540 270	465.48		251359.2
65	Erection of combined panel board and meter unit with necessary materials & labour including providing cement concrete foundation bed concrete door type etc complete. (CE (m) BWSSB, Letter No.BWSSB/CE (M)/ACE(M)-2/TA-8/9194/2008-2009 dated 21/1/09,	Nos	2	1				2 1	425		850
66	Supplying of TPST with rewireable porcelain channels in SM encloser Made out of 14 SWG Powder coted paint of approved colour 32 amps Group A (PWD Electrical SR 2014-15, P-51, It-6.5.1),	Nos	2	1				2 1	1868		3736

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67	Supplying and fixing 20"x20"x2.5" polished wood board made up not less than 15cm thick plank with front plank one end provided for holding at other end fixing the same of the valve using through bolts and nuts [PWD Electrical SR 2014-15, P-51, It-6.6.6),										
		Nos	2	1				2 (1)	302	604	
68	Supplying & Fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DC [PWD electrical SR 2010-11, P-40, It-34(b)],										
		Nos	2	1				2 (1)	430	860	
69	Wiring for lighting/ power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or concealed system of wiring as per IS 694:1990 & conforming to the attached GTP of Group A. 4 Sqmm. (PWD Ele SR 2010-11, P-9, It-20.2(d)										
		Mts	2	35				70 (35)	42.1	2947	
70	Fixing a shunt capacitor upto 5 KVAR capacity with necessary clamps, bolts and nuts on existing wooden or metal board including banking of more than one capacitor. (PWD Ele SR 2010-11, P-30, It-15(a),										
		Mts	2	3				6 (3)	120	720	
71	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 Phase/ single door with powder coated painting. Made out of 14 SWG M.S enclosure. 12 Way SP & N (PWD Ele SR 2014-15, P-54, It-6.16.5)										
		Nos	2	1				2 (1)	1047	2094	
72	Supplying and fixing wiring, earth electrode for grounding conduits IC Cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI Pipe 2.5 Mtr long buried in a pit..... The pit should be filled with equal proportion of salt and charocoal 150mm alround the pipe to complete depth. The connections from the pipe to the conduit etc, is to be established though GI Wire of size as per ISI Specification 7.3.3 of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122 mm dia. (PWD Ele SR 2014-15, P-62, It-7.1)										
		Nos	2	1				2 (1)	2727	5454	
73	Supplying Fully automatic Star delta starter unit push button type with suitable wires 3 Contractors and adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400 /440 volts phase and wired after fixing to the existing wooden board for motor Group A ,II above 15 HP up to 25 HP (PWD Ele SR 2014-15, P-51, It- 6.2.1)										
		Each	2	1				2 (1)	6583	13166	
74	Supplying and fixing Class-A (Medium duty) -GI pipe wall thickness not less than 3.25mm on pole/wall/Drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 65mm (PWD Ele SR 2014-15, P-68, It-7.12.3)										
		Mtr	2	1	6			12 (6)	585	7020	
75	Supplying laying of 1.1 KV class L.T.U.G Cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip (except 2C x 10 Sq.mm wire armoured) confirming to IS-3975:1990 (I t. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with speicified IS-1554, Part-1:1988 & confirming to the attached GTP of Group A 3.5 core to 25Sqmm (PWD Ele SR 2014-15, P.No.62, It- 7.4.5)										
		Mtr	2	1	15			30 (15)	165.6	4968	
76	Labour charges for Laying of 1.1 KV Class UG cable 6 sqmm to 16 sqmm (PWD Ele SR 2014-15, P-68, It-7.8.1)										
		Mts	2 (1)	1	15			30 (15)	10.8	162	
77	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating in Hard soil etc., complete. complete as per specifications and direction of the Engineer-in-Charge (PWD Electrical SR 2014-15, P-68, It-7.9.2)										
		Mtr	2	1	15			30 (15)	106	3180	
78	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled wiith necessary bitumen / insulating compound complete. With terminals, clamps, bolts nuts and washers etc.complete for 16 Sqmm as per specification (PWD Ele SR 2014-15, P-69, It-7.13.2)										
		Each	2	1				2 (1)	280	560	
79	Supplying and fixing Porcelain fuse channel with cut out on the existing wooden block & wiring complete 32 amps (PWD Ele SR 2014-15, P-52, It-6.7)										
		Nos	2	3				6 (3)	180	1080	
									Bore well	**9,08,145.00**	
	Pumping main &Distribution main										
80	Earthwork excavation for pipeline trenches including depositing on bank up to a lead of 50 meters including shoring and strutting , danger lighting and using sight rails and oning rods at every 100 mtrs whereever necessary as directed in the following strata manual means in hard soil,)etc..BWSSB SR2016-17 P.NO-6,I.NO1(B)										
	Basic rate		Rs.	**184.00**							
	Area weightage 6%			**11.04**							
	Total			**195.04**							
				400.00	0.60	0.90	216.00	cum	195.04	42,128.64	
81	Providing and installing at site of work 63mm (0.662) pvc pipes of 6kg /cum 2 including cost of pipes and special labour including lowering into trenches laying true to line level and perfect linking at joints , leak proof including jointing of approved type with all labour and incidentaries handling charges including encasing the pipes all round to a depth of not less than 15cms with gravel or selected earth available from the excation etc. BWSSB SR2016-17 P.NO-57,I.NO1(4)										
	Basic rate		Rs.	**85.00**							
	Area weightage 6%			**5.10**							
	Total			**90.10**							
				400.00	-	-	400.00	cum	90.10	36,040.00	
82	Giving hydraulic test upto 80mm CI/RCC/PVC/HDPE or AC pipeline (p.no 30 I.no 3.7.1 PRED SR 2013-14										
	Basic rate		Rs.	**2.12**	**Rmtr**						
	Area weightage 6%			**0.13**							
	Total			**2.25**							
				400.00	-	-	400.00	No	2.25	898.88	
83	KSRB : Refilling the basement and pipeline trenches with selected available earth from trench excavation including watering,consolidation in layers of 15cm thick including disposing of the surplus earth with lead of 200 metres,PRED SR 2012-13(P-3,It-1.6)										
	Basic rate		Rs.	63.90	/cum						
			Rs.	68.90							
	Area weightage 6%			4.13							
	Total			73.03							
				400.00	0.60	0.90	360.00	meter	73.03	26,292.24	

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84	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer black or blue [illegible] confirming to ISO/SSI specifications. PWD SR 2016-7 Sl.no-37.58, P.no265							5000		@ 6.36	
	Basic rate			1	6.00	/Litre					
	Area weightage 6%				0.36						
	Total				6.36					Total	
	Rain Water Harvesting Structure										
85	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods specifications. Specification No. KBS 2.1(a)/2.3.5 (SR 2016-17, I.No.2.3, P.No.5)										
	Basic rate		Rs.	189.00							
		No	**Rs.**	**189.00**	**/Cum**						
	Area weightage 6%			**11.34**							
	Total			**200.34**							
	Collection Pits		4	2.56	2.06	1.15	24.25856	Cum	200.34		4,859.96
	Recharge Wells		6	1.77		6.00	63.65	Cum	200.34		12,750.79
							87.90	**Cum**	@ 200.34		17,610.75
86	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement@180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (SR 2016-17, I.No.4.3, P.No.12)										
	Basic rate		Rs	4867.00							
			Rs.	**4867.00**	**/Cum**						
	Area weightage 6%			**292.02**							
	Total			**5159.02**							
	Collection Pits		4	2.56	2.06	0.15	2.164	Cum	5159.02		16,323.96
	Recharge Wells		6	5.56	0.30	0.15	1.502	Cum	5159.02		7,749.05
							4.67	Cum	5159.02		**24,073.02**
87	KSRB 6-2.2: Providing and constructing burnt brick masonary with hoey comb work with approved quality of non modular bricks of standard size of class designation 5.00 Newton per sqmm(table moulded) with cement mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications..Specification No. KBS 6.2 (SR 2016-17, I.No.6.5, P.No.27)										
	Basic rate		Rs.	6532.00	/Cum						
			Rs.	**6532.00**	**/Cum**						
	Area weightage 6%			**391.92**							
	Total			**6923.92**							
	Collection Pits		4	1.73	1.23	1.50	12.77	Cum	6923.92		88,400.46
	Recharge Wells		6	4.84	0.23	0.70	4.67	Cum	6923.92		32,342.94
							17.44	Cum	6923.92		**1,20,743.40**
88	KSRB 15.3.1: Providing 12mm thick cement mortar plaster in single coat with cement plaster in single coat with cement mortar 1:3 to brick masonary including rounding off corners whereever required smooth rendering, providing and removing scaffolding,including cost of materials, labour, curing complete as per specifications.. (pwd SR 2016-17, I.No.15.9, P.No.113)										
	Basic rate		Rs.	181.00	/sqm						
			Rs.	**181.00**	**/sqm**						
	Area weightage 6%			**10.86**							
	Total			**191.86**							
	Inner plastering	Collection Pit	4	5.00		1.50	30.00	Sqm	191.86		5,755.80
	Outer plastering	Collection Pit	4	6.84		0.20	5.47	Sqm	@ 191.86		1,049.86
		Recharge Wells	6	4.71		0.20	5.65	Sqm	@ 191.86		1,084.39
							41.12	Sqm	@ 191.86		**7,890.05**
89	KSRB4.2.2: providing and laying in position reinforced cement concrete of design mix M20 with opc cement @320kgs with 20mm and down size graded granite metal coarse aggregate @0.69 cum and fine aggregates @0.460 cum , with superplasticisers @ 3ltrs conforming to IS 9103-1999 reaffirmed -2008, machine mixed , concrete laid in layers not exceeding 15cm thick libertaed for all the works for footings, pedestals, returnwalls, walls (any thickness)incuding attatched pillars, posts, struts, buttresses,bed blocks,anchor blocks and plints etc. including cost of all materials, labour,HOM of machinery curing, complete but excluding costs of reinforcement as per specifications specification No. KBS4.1,4.6 PWD SR 2016-17 Sl.no-4.11,P.no-13										
	Basic rate		Rs.	6011.00	/cum						
			Rs.	**6011.00**	**/cum**						
	Area weightage 6%			**360.66**							
	Total			**6371.66**							
	Collection Pit		4	1.96	1.96	0.15	2.30	Cum	6371.66		14,686.42
	deduction for manhole		4	-0.28		0.15	-0.17	Cum	6371.66		-1,080.38
	Recharge wells		6	3.91		0.15	3.52	Cum	6371.66		22,407.28
							5.65	Cum	6371.66		**36,013.33**
90	KSRB 4.9.2:Providing T.M.T Steel reinforcement for RCC work including styraightening ,cutting ,bending ,hooking, placing in position ,lappingand/or welding where ever required ,tying with binding wire and anchoring to the adjoining members where ever nessassary complete as per design (laps and westage shall not be measured and paid) cost of mateial,labour HOM of machinary complete as per specifications no 4.6.3 (SR 2016-17, I.No.4.46.2, P.No.17)										
	Basic rate		Rs.	56050.00							
			Rs.	**56050.00**	**Tonne**						
	Area weightage 6%			**3363.00**							
	Total			**59413.00**							
	Collection Pit slab @ 80 Kg / cum of concrete						0.17	Ton	59413.00		10,149.64
	Recharge Well slab @ 80 Kg / cum of concrete						0.28	Ton	@ 59413.00		16,715.07
							0.45	Ton	59413.00		**26,864.71**

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91	supplying and fixing of only manhole covers heavy duty to suit the existing manhole rings with all lead and lift charges ,(as per BWSSB SR2016-17 p.no-83,I,no-86)									
	For Collection Pit									
	Basic rate		4			-	4	Nos	669.92	2,679.68
	Area weightage 6%			632.00						
	Total			37.92						
			Rs.	669.92						
92	KSRB 2.8 Providing and filling in foundation with granite/trap/broken metal 100mm and down size , with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specification. (work will be extracted seperately for broken metal and sand ie, layer by layer to act as a filter media) (pwd SR 2016-17 P.no.6, Sl.no2.15)									
	Basic rate		Rs.	2114.00						
			Rs.	2114.00	/Cum					
	Area weightage 6%			126.84						
	Total		Rs.	2240.84						
	In Recharge Well		12	1.86		1.00	22.34	Cum	@ 2240.84	50,061.42
93	KSRB:2.6:providing and filling sand in foundation upto plinth to required depth for subsoil treatment including watering, ramming with all lead and lift , Filling the recharge well by good river sand over coarse aggregate to act as a filter media.complete as per specifications. (pwd SR 2016-17 P.no.6, Sl.no2.13)									
	Basic rate		Rs.	2135.00						
			Rs.	2135.00	/Cum					
	Area weightage 6%			128.10						
	Total		Rs.	2263.10						
	In recharge well		6	1.86		1.00	11.170	Cum	2263.10	25,279.36
								Total		3,11,215.72
	GAURD ROOM									
94	Providing and fixing FRP security cabin in the location as mentioned by the architect of size 5x5x7m height (as per catalouge as enclosed as LK-CB-115 FRP SECURITY CABIN)									
	Basic rate			54000						
	GST 18%			9720.00						
	Total		Rs.	63720.00			1		63720.00	63,720.00
			Nos							
								Grand Total		1,33,42,987.78

1,41,00,630.00

Operation & Maintenance for 5 Years

1	Salary of Care Taker/ Guard	60	Months	10000	6,00,000.00
2	Operation & Maintenance of bio-methnation plant cum power genrator	0	Months	10000	-
3	Tools & equipments	5	year	5000	25,000.00
4	Murram, red soil etc.	0	year	0	-
5	Electricity Bill	5	year	36726.3	1,83,631.50
6	KSRRBM300-4 Maintenance of lawns or turfing of slopes (rough grassing) for a period of 1 year including watering etc. complete as per specifications.MORTH specification no.307. (PWD SR 2016-17, p.no-151, l.no-19.81)	7500.00	Sqm	@ 90.10	6,75,750.00
7	KSRRBM 300-8.1 Planting and maintaining of flowering plants and shrubs-A. Planting flowering plants and shurbs in cental verge under MORTH specificatons no-307.(PWD SR 2016-17, p.no-151, l.no-19.86)	9375.00	meter	@ 23.32	2,18,625.00
	Total 5 years O&M cost				**17,03,006.50**

pdo.
AE / AEE / EE
with seal

AE

Asst. Executive Engineer
Project Division
Yelahanka Zone
Bangalore

Executive Engineer
Project Division
Yelahanka Zone
Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE
YELHANKA ZONE ELECTRICAL DIVISION

Name of work :- Providing of LED park lights, Control panel and Under Ground cable to Vin Field Layout main road park Jakkur (Yalahanka) in ward no -05

Budget Head .....

Division No..... Estimate No. ..... For Rs. **2488321.00**

Sl.No.	SR Page & SL No	Description of Work	Unit	Qty	Rate	Amount
1	35/5.16.2	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.4 meters - Top 75mm and bottom 115 mm dia	Nos	60	7236.00	434160.00
		5)7 meters - Top 75mm and bottom 145 mm dia	Nos	5	14040.00	70200.00
2	7.4	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs	1450	140.40	203580.00
		5)3.5 core 25 sqmm	Mtrs	100	165.50	16550.00
3	61/7.8.2	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench GI pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.b)25sqmm to 75 sqmm	Mtrs	1450	10.5	15225.00
		b)25sqmm to 75 sqmm	Mtrs	100	16.2	1620.00
4	7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Per Mtr	1000	78.00	78000.00
5	46/6.13.A.1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	1	4044.00	4044.00
6	6.7.3	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.63Amps	Each	6	234.00	1404.00
7	47/6.16.6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.f)40-63Amps TPN,	Each	3	1936.00	5808.00
8	6.4.2	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.16SWG	Sqcm	70000	0.33	23100.00
9	46/6.12.4	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Nos	3	9915.00	29745.00
10	6/2.6.2	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm1.5 sqmm	Mtrs	600	15.90	9540.00
		g)16 sqmm	Mtr.	10	132.00	1320.00
11	17/3.10	Supplying and fixing phylum brand hand plastic sheet 3mm thick with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws	Sqcms	20000	0.22	4400.00
12	49/6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)40X40X6mm	Mtrs	30	263	7890.00

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13	6 32 / 9	Supplying and fixing electro mechanical timer (without contactor) using necessary bolts, nuts and waqshers etc.. Group A, PWD Elec SR 2006-07.	Nos	2	4200.00	
14	26/4.34.2	LED Post Top Lantern GARDEN.Supply of LED Post Top Lantern with system ... wattage, housing & frame shall be of powder coated, die cast aluminum, diffuser with high density polyethylene IP65 EPDM Gasket. Life 50000 Hrs. @ L70 shall be conforming to IS 10322/Part 5/ Section 5 @ 230V. 5 years Warranty against any manufacturing defect working under standard electrical condition 2)LED Post Top Lantern with 24 watts	Nos	60	15930.00	955800.00
15	4.3	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No	3	4945.00	14835.00
16	9 108/17.6	Fixing charges of post top/ Gate/ Garden fitting /LED on the existing CI / GI or any other pipe using required size of reducer, wiring using suitable wires.	Each	70	145.00	10150.00
17	17 55/7.1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through GI wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122mm dia.	Each	1	2727.00	2727.00
18	18 55/7.3	Supplying and running of GI/Copper strips for grounding connections, using necdessary fixing materials as required. GI strip 1). 25x3mm	Per Mtr	10	77.00	770.00
19	19 28/4.37	Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer. 2) LED Floodlight 90W	No	10	14646.00	146460.00
20	20 62/7.12	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25 mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. 2) 50 mm	Mtrs	6	391.00	2346.00
21	21 62/ 7.13	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 3) 25 Sqmm	Nos	2	362.00	724.00
22	22 48/6.36	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C.	Nos	3	442.00	1326.00
23	6 64/7.21	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6\ 16 sqmm.	Nos	400	11.31	4524.00
24	23 2/1.12	open conduit system Supplying heavy gauge PVC conduit pipe.... dia confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 2) 25mm dia 2mm thick	P/Mtr	750	70.00	52500.00

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25	pwd sr 14-15	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of	Nos	60	1080.00	64800.00
26	pwd sr 14-15	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed	Nos	5	4199.00	20995.00
27	AR	Supplying of Hikvision 8 Chanl DVR DS7508N1NVR	Nos	1	16879.00	16879.00
28	AR	Supplying of 1.3 MegaPixel Hikvision CCTV CamaraDS2CD20F-1	Nos	4	13400.00	53600.00
29	AR	Supplying Hikvision PTZ Camara DS 2DE7174-A With Pole Mount and Power Supplay	Nos	1	65000.00	65000.00
30	AR	Supplying of 2TB Hard disk seagate	Nos	2	10550.00	21100.00
31	AR	Supplying of 4x4 Pole Switch TP link	Nos	1	7174.00	7174.00
32	AR	Supplying of 4 Pin Spike pin Cona/Reputed	Nos	5	1145.00	5725.00
33	AR	Supplaying of Out door SupportableCAD5/ CAD6 Cable	Mtrs	800	70.00	56000.00
34	AR	Laying of Out door Supportable CAD5/ CAD6 Cable	Mtrs	800	10.50	8400.00
35	AR	Supplaying of 32" LED TV Make Samsung/ LG /	Nos	1	35000.00	35000.00
36	AR	Instlation Charges For Camera ,DVR ,Spike Pin, IP Configration & etc Complet Soas to work Coplet CCTV System.	Set	1	26500.00	26500.00
		Total				**2488321.00**

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimates is based on PWD (Elec) SR of 2014-15 . & Approved Rates

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palike

Ele.

EXECUTIVE ENGINEER (ELEC)
YELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

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BRUHAT BANGALORE MAHANAGARA PALIKE
HORTICULTURE SECTOR , YELAHANKA ZONE

Detailed Estimate for Development Landscape work at Vinfield layout in Ward No 5 Jakkur

Rs.in Lakhs

Sl.No	Description Of Work	Unit	Qty	Rate	Amount
	Total Area -6997 , Hard craft 2100 Park area 4892				
1	**General Cleaning**				
	Removal of dried leaves solid waste and cleaning of the area	Sqm	4892	4.52	22111.84
2	**PLANTING OF TREES:**				
a)	Digging pits of size 0.75mX0.75mx0.75m filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Each	50	245.32	12266.00
b)	Cost of the Plants				
	5' Height	Each	50	200	10000.00
3	**Supplying of Red soil**				
a)	Supplying & stocking good quality red earth for filling top layer to a depth of 0.15 m (4892x0.24)=1174cum	Cum	1148	438.75	503685.00
b)	Formation of Soil by manual means in gravelly soil including breaking of clods spreading to required line and level forming cost of all materials labour etc,. complete as per specifications (Excluding watering and compaction of earth) with all lead and	Cum	1148	126.14	144808.72
4	**PLANTING OF SHRUBS**				
A)	**Shrubs in Isolated Plants:**				
a)	Digging pits of size 0.45X0.45x0.45 filling up to 50% of the pits with top excavated soil & remaining 50% with the mixture of sand (0.007 cum, Fym(0.014 cum), Red earth (0.021 Cum) (i.e, in the preparation of 1:2:3) Exclusive of cost of plants &	Each	1000	56.39	56390.00
	b) Cost of the Plant	Each	1000	75.00	75000.00
B)	**Shrubs in Group Planting**				
	a) Shrubs in Groups				
	Developing the area for shrubs by digging to a depth of 0.45m, filling 50% with sand (0,0375 cum) FYM (0.075 cum), Red earth (0.21), (i.e in the proportion of 1:2:3) and planting with well established plants exclusive of cost of plants and inclusive of ingredients.	Sqm	2100	255.15	535815.00
	b) Cost of Plant (5 Plants per sq.m)	Sqm	1500	300.00	450000.00
5	**PLANTING OF GROUND COVER PLANTS:**				
	Developing the area for ground cover plants by digging to a depth of 0.45m, filling 50% of the area with excavated top soil & remaining 50% with sand (0.0375 cum), Fym (0.075 cum), Red Earth (0.112 cum). (i.e, in the Preparation of 1:2:3) Exclusive of cost of plants & inclusive ingredients (5 plants per	Sqm	300	255.15	76545.00
6	**HEDGES:**				
	Developing hedges by digging trenches of size 0.45mX0.45m, filling 50% of the trench with excavated top soil & remaining 50% with the mixture of sand (0.0112cum), Fym (0.0224 cum) i.e, in the proportion of 1:2:3) Exclusive of cost of plants & inclusive ingredients.	Rmt	2000	83.41	166820.00

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	b) Cost of Plant (5 Plants per sq.m)	Rmt	2000	75.00	150000.00
7	**MOUND FORMATION:**				
	Providing & forming mound using red earth by filling, spreading and leveling to the required grade as per design	Cum	350	363.00	127050.00
8	**LAWN**				
a)	**a) Scraping and Removing top soil (lawn area only)**				
	Cleaning the site by scrapping and removing top layer of soil, removing unwanted debris, grass, along with excavated earth to a distance of 500m from the spot, including pathway area Total: area: Sqmx0.15m=1800	Sqm	2300	34.52	79396.00
b)	**1st DIGGING FOR LAWN**				
	Earth work digging including removing weeds, debris if any and breaking of clumps watering etc. area Sqmx0.45	Sqm	2300	48.58	111734.00
c)	**2nd DIGGING FOR LAWN**				
	Digging for second time & removing weeds, if any minor leveling to a depth of 0.45m	Sqm	2300	24.29	55867.00
d)	**Soil Filling for Lawn:**				
	Supply and stacking good quality red earth etc,. for filling the top layer to depth of 0.15m (1x1x0.15) (2300*0.15=345)	Cum	345	438.75	151368.75
e)	**Providing Sand FYM and Red earth in the ratio of 1:3:6 and Spreading to a depth of 7.5cm at the required site.**				
	Red earth (0.045cum/sqm) Rs 12.60	Sqm	2300	151.68	348864.00
f)	**Chemical Fertilizer**				
	Super phosphates (50gm/sqm Rs.0.22/Sqm) Neem oil cake (250gm/sqm Rs 1.10/Sqm) Bone meal (250gm/sqm Rs 2.75/sqm) Potash (50gm/sqm Rs. 0.23/sqm) Furodon (25gm/sqm Rs. 0.75/sqm) Ammonium Sulphate (100gm/sqm Rs. 0.60/sqm)	Gm/sqm	2300	5.62	12926.00
g)	**Supply of Lawn Grass:**				
	Bermuda grass	Sqm	2300	10.23	23529.00
h)	**Labour Charge:**				
	Labour cost towards dibbling/laying of lawn inclusive of mixing of ingredients application of manure and spreading (5x5cum)	Sqm	2300	40.73	93679.00
9	**COST OF THE SPECIMEN PLANTS:**				
a	Caryota Urens (240cm-300cm ht)	Each	70	2500.00	175000.00
b	Ficus Benjimina Starlight (90cm-150cm ht)	Each	70	2500.00	175000.00
c	Ficus Benjimina Black (90cm-150cm ht)	Each	70	2500.00	175000.00
d	Ficus Ponda (90cm-150cm ht)	Each	70	2500.00	175000.00
e	Pulmeria Alba (150cm-240cm ht)	Each	71	1500.00	106500.00
f	Cycas Revoluta				
	a) 90cm Dia, 100 cm ht	Each	20	4500.00	90000.00
g	Raphis Excelsa (60cm -90cn ht)	Each	73 (72)	1000.00	(72000.00) 73,000.00
h	Roystonia Regia (180cm-240cm ht)	Each	(50) 70	2000.00	(100000.00) 1,40,000.00
i	Dypsis Medagascariensis (120cm-180cm ht)	Each	(51) 70	450.00	(22950.00) 31,500.00

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j	Yucca species silver/Filimentosa marginata(Golden)(90cm-150cm ht) (Sl. No.16-1,Page no.5)	Each	50 82	1500.00	75000.00 1,23,000.00
k	Plumeria rubra(150cm -240cm ht) (Sl. No.16-1,Page no.5)	Each	45 50	1500.00	67500.00 75,000.00
l	Nalina(elephant foot) (90cm-150cm ht) (Sl. No.16-1,Page no.5)	Each	100 50	2500.00	250000.00 1,25,000.00
10	**SPRINKLER SYSTEM:**				
	Providing and fixing of sprinkler system with in the site by using 25mm/10kg, 40mm/6kg, 50mm/6kg good quality PVC pipes, ISI marked sprinklers, control valves and fittings etc,. Including excavation and back filling trenches, (Excluding of Providing Borewell, Electrification & Pump) As per the specification and direction of the concerned officer. Rates may be quoted as per data rate specific to the filed condition.	Each	70 80	2000.00	140000.00 1,60,000.00
					48,31,855.31
	Sub total				4831805.31
	Savings/Miscellaneous				40.68 90.00
	Total Rs				4831895.31

48,31,895.00

(Rupees Forty Eight Lakhs Thirty one Thusond Eight Hundered Ninty five Rupees Ninty Four Paise Only)

CERTIFICATE:

1 Estimate is Prepared as per the Rates approved by BBMP Horticulture SR Vide No.vÉÆÃdA¤/vÉÆÃ/©©JA¦/vÁC/01/03/2009-10,Dated 31/10/2009 and 2015-16 Director of Horticulture SR

P.M. Malapadi

Horticulture Inspector
Yelahanka Zone
Bruhat Bangalore Mahanagara Palike

Rathmi

Horticulture Superintendent
Yelahanka zone
Bruhat Bangalore Mahanagara Palike

ತೋಟಗಾರಿಕೆ ಅಧೀಕ್ಷಕರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

TEAM LEADER - BBMP
AMRUT - PDMC
IPE GLOBAL LTD.
BANGALORE - 560002.

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